

#XUG2014



Inera Developments and eXtyles Enhancements

Inera at 22

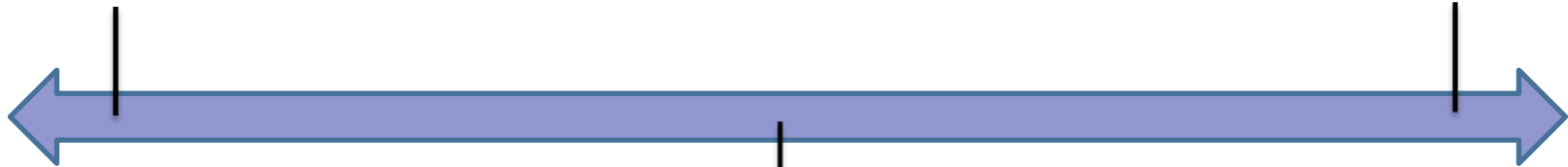
(Can Vote, Can Drink, Still Can't Rent a Car)

- For 9 years, I've begun this presentation by immediately launching into what's new with eXtyles
- For our 10th meeting, I'd like to take a step back and first talk about what's new at Inera
- The last few years have been action packed!
- With age and introspection comes wisdom (we hope)

The Spectrum of Collaborative and Innovative Endeavors

A brilliant, creative,
chaotic community

A well-oiled
corporate machine



New Processes, New Strategies

- Company-wide initiative
- Analysis and evaluation of existing processes
- Ongoing implementation of new and more efficient team structures and procedures
- Enhanced internal communication and documentation

New Teams, New Product

Teams

- Executive
- Sales and Marketing
- Software Development
- Software Configuration
- Customer Service and Support
- A core team, comprised of members of all of the above teams, shepherding the new Edifix web service

Products

- eXtyles
- Edifix

Most Inera staff members are on more than one team, and work with both products

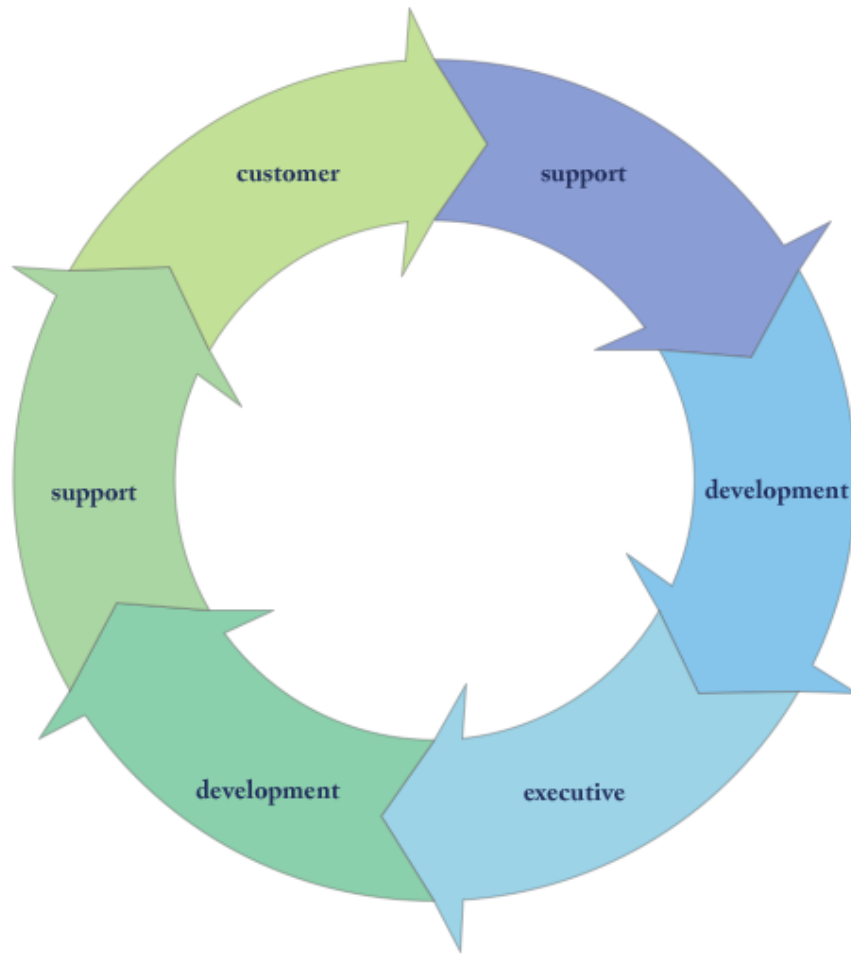
Social Media

- eXtypes LinkedIn Group
- @eXtypes, @Edifix
- Follow @eXtypes for weekly eXtypes tips, links to important publishing resources, and news from industry events
- #ThankYouMelissaLeigh

The Life Cycle of an Improvement to eXtyles

Customer → Support Team

To	eXtyles Support ✕	Cc Bcc
Is it just me, or is eXtyles being deliberately obtuse?		
Dear eXtyles Support:		



A single customer — a single *user* — can initiate a process that leads to improved eXtyle behavior for all customers

From XUG 2013 to XUG 2014: First, Deciding What to Do...

- Post-XUG Meeting
 - Review customer feedback from XUG breakout sessions
 - Categorize and analyze suggestions
 - Develop specifications for high-priority projects
 - Share insights, from code development to user experience to marketing
- Implement and test, test, test

... and Then, Deciding What to Highlight

Function Library				Defined Names		Formula Auditing	
E30		Added another 2500 cities and towns to the eXtles location database. Many of these locations are smaller cities					
A	B	C	D	E			
5/1/2014	2868	Bibliography	N	Updated the reference processing code to allow more control over how "translators-editors" are handled in book and book chapter references			
5/21/2014	2883	Bibliography	N	Made significant improvements to parsing of conference references so that a much larger percentage of references are now parsed. Many of the improvements came by adding support for conference acronyms before or after proceedings titles, and for proceedings names and paper titles with unusual text			
5/22/2014	2884	Bibliography	N	Improved marking of item titles, especially when titles have quoted words or more than one sentence			
6/4/2014	2894	Bibliography	N	Improved support for full-spelled author names in conf references			
6/9/2014	2899	Bibliography	N	Improved recognition of author names in references in cases when the original author list had incorrect punctuation. In particular, this improvement helps cases where periods were incorrectly used in places that should have included commas, e.g. "Smith. C. Jones. B."			
6/17/2014	2905	Bibliography	N	Added support for PubMed Id prefixes such as "PMid" and "PMCID" with mixed casing			
6/27/2014	2913	Bibliography	N	Added ~2000 locations (mostly city and town names) to the locations database used by eXtles to help parse book, book chapter, and conference references			
7/1/2014	2916	Bibliography	N	Extended recent work to handle author names with incorrect punctuation for cases where the author list has "and" or "&" before the last author			
7/7/2014	2918	Bibliography	N	Added another 2500 cities and towns to the eXtles location database. Many of these locations are smaller cities where conferences may be held			

So... What's New with eXtyles?

- Enhanced automation
- Improvements to key features
- Expanded support for non-English content
- Online user documentation
- New customers

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Enhanced Automation

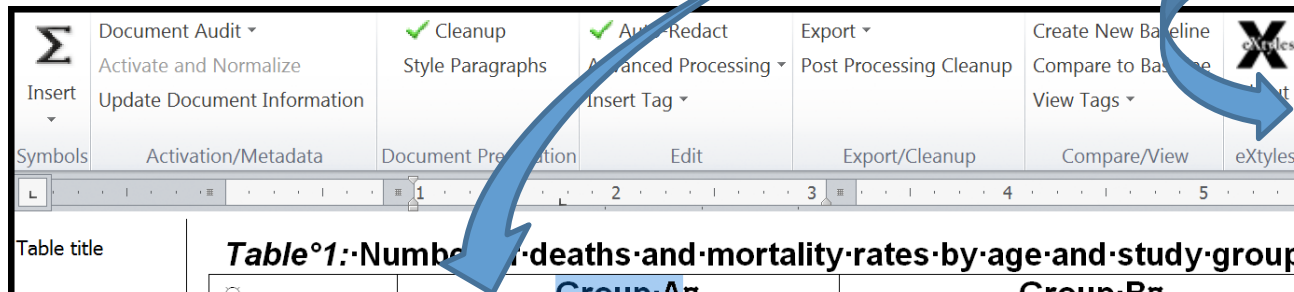
Auto-Styling: Body Text

- Build
2904
- No longer auto-styled as body text:
- Paragraphs of <60 characters that do not end in a period (likely to be headings)
- 2942
- Most paragraphs that begin with “Figure” or “Table,” even when not set in bold or italics (can be configured for non-English content)
- 3004
- Paragraphs that begin with underline formatting

Auto-Styling: Tables

2942

Table titles now auto-styled even if they fall outside of the table grid

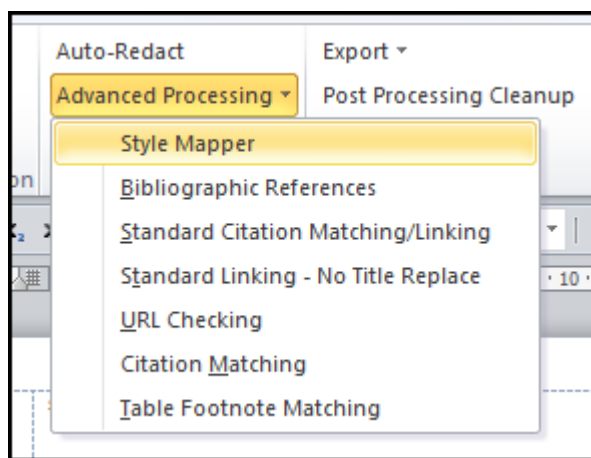


Table°1:·Number·of·deaths·and·mortality·rates·by·age·and·study·group¶						
	Group·A¶			Group·B¶		
	PY¶	Deaths¶	Rate¶	PY¶	Deaths¶	Rate¶
Months¶						
0–6¶	791¶	49¶	61.9¶	791¶	53¶	67.0¶
7–12¶	813¶	27¶	33.2¶	800¶	25¶	31.3¶
> 12¶	2169¶	53¶	24.4¶	2142¶	50¶	23.3¶
Total¶	3773¶	129¶	34.2¶	3733¶	128¶	34.3¶

Table°2:·Clinical·and·parasitological·data·by·age·and·study·group¶						
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New Module: Style Mapper

- 2900
- Automates conversion of author-supplied Word paragraph styles to eXtyles paragraph styles
 - Useful for working with content that follows a well-structured (but not the desired) template



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.....style="Figure-Text"/>¶
<paragraph¶
.....publisher-name="Voetnoot-tabel"¶
.....style="Table-footer"/>¶
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.....publisher-name="Figuur-titel"¶
.....style="Figure-title"/>¶
<paragraph¶
.....publisher-name="Legenda"¶
.....style="Key-Title"/>¶
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.....style="Formula"/>¶
<paragraph¶
.....publisher-name="formuleverklaring"¶
.....style="Body-Text"/>¶
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Improvements to Key Features: Reference Parsing and Restructuring

#ThankYouIgor

Publisher Locations

2918

- Added ~4500 locations (mostly city and town names) to the database used by eXtypes to help identify and parse book, book chapter, and conference references
- Many of these locations are smaller cities where conferences may be held

URLs in Book References

- 2785 • Added support to parse book and book chapter references that end with a URL as <bok> and <edb>, respectively, rather than as <eref>
- 2912 • Fixed a bug in which <http://dx.doi.org/> was tagged as a URL rather than a DOI prefix in book references

Supplement and Page Numbers

2797

- Added support for specifying the text preceding a supplement number (e.g., “Suppl.” vs. “suppl”)

2924

- Added an option to truncate complex page numbers (e.g., from “122-125, discussion 126-127” to “122-125”)
- Contact us if you’d like your reference template updated to include these new features

Author Names

2899

- Improved recognition of author names in references with pathological punctuation, particularly when periods are incorrectly used instead of commas, e.g., “Smith. C. Jones. B.”

3008

- Enabled parsing of author initials when the second initial is incorrectly set in lower case, e.g., “Pj. Fleming”

3008 Improved handling of Chinese author names

- Support for some cases of full Chinese names (e.g., Ma Youlang) included in a list that otherwise uses surname and initials (this occurs most often in engineering journals)
- eXtypes analyzes the name and, when possible, treats the single syllable part as a surname and the multi-syllable part as a given name

- 3000 Completed a major update to parsing of full author names (given and surname)
- When full names are used, eXtypes now correctly handles names like “F. Murray Abraham,” in which an initial precedes the given or middle name
 - As a secondary benefit, eXtypes now better distinguishes organizational names at the beginning of a reference

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Improvements to Key Features: Reference Linking and Correction

Enhanced Linking of Non-Journal References

- 2838 • Improved recognition of titles in references that do not fully parse
- Primarily improves CrossRef linking of conference, web, and “other” reference types
- 2883 • Improved link rate of conference references by adding support for (a) conference acronyms and (b) proceedings names and paper titles with unusual text (e.g., digits, quotes)

Conference parsing and linking is enabled in eXtyle configurations with the Conference Reference Parsing module and in Edifix

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<conf>A. Achim, B. Buxton, G. Tzagkarakis, P. Tsakalides, Compressive sensing for ultrasound RF echoes using a-stable distributions, in: International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC 2010), Buenos Aires (Argentina), 2010, pp. 4304–4307 [doi:10.1109/IEMBS.2010.5626210](https://doi.org/10.1109/IEMBS.2010.5626210).</conf>

<conf>A. Adya, W.J. Bolosky, M. Castro, G. Cermak, R. Chaiken, J.R. Douceur, J. Howell, J.R. Lorch, M. Theimer, R.P. Wattenhofer, Earsite: federated, available, and reliable storage for an incompletely trusted environment, in: Proceedings of the 5th Symposium on Operating Systems Design and Implementation, OSDI '02, ACM, New York, NY, USA, 2002, pp. 1–14 [doi:10.1145/1060289.1060291](https://doi.org/10.1145/1060289.1060291).</conf>

<conf>A. Alvarez-Alvarez, G. Trivino, O. Cordon, Body posture recognition by means of a genetic fuzzy finite state machine, in: Proceedings of the 5th IEEE International Workshop on Genetic and Evolutionary Fuzzy Systems (GEFS 2011), Paris, France, pp. 60–65 [doi:10.1109/GEFS.2011.5949493](https://doi.org/10.1109/GEFS.2011.5949493).</conf>

Enhanced PubMed/CrossRef Feedback

- 2817 • Added a warning to PubMed Reference Correction to alert the user when the date of a reference has been updated and the paper uses author-date citations
- 2873 • Improved the method for detecting retractions during CrossRef Linking
- Modified CrossRef Linking to report on all CrossMark notifications (can be turned off by request)

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Improvements to Key Features: Citation and Callout Matching

Appendices

- 3018
- Added support for linking of appendix callouts to appendix titles in Citation Matching and XML Export
 - Interesting side benefit: because appendices are often cited with letters (e.g., "Appendix A"), eXtypes now also supports matching of figures, tables, etc., that are lettered rather than numbered

Citation Matching in Non-English Content

- 2847 • Added Citation Matching support for Dutch content
- 2877 • Expanded Citation Matching support for Portuguese and Spanish content
- 2846 • Updated Citation Matching and XML Export to allow Cyrillic letters as Appendix prefix letters
- 2859 • Modified Citation Matching to avoid false hits in Norwegian content

Arabic Content

- 2924
- Added support to preserve right-to-left text (e.g., Arabic) when right-to-left markup applies to an entire paragraph or is part of the style definition
 - In addition, if the Normal style of the document specifies right-to-left text, then that information is preserved after the appropriate .DOT files have been loaded on eXtyles Activation
 - Does not support left-to-right text within right-to-left paragraphs (e.g., “ISO 12083”)

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Improvements to Key Features: XML Export

FundRef

2912

Added support for FundRef when the funder is set up in Word as a hyperlink

- Link value has the CrossRef Fundref ID
- Text has the funder name
- JATS 1.0: <named-content> element
- JATS 1.1d1: <institution-wrap> and <institution-id> elements

wledge the help of Gabriele Gehrich-Schröter for growing *A. fermentans* cultures and Susanne quality analysis (both at DSMZ). This work was performed <http://dx.doi.org/10.13039/100006227> science, Biological and Environmental Research Program, and **Ctrl+Click to follow link** ratory under contract No. DE-AC02-05CH11231, Lawrence Livermore National Laboratory A27344, and Los Alamos National Laboratory under contract No. DE-AC02-06NA25396, and der contract No. DE-AC05-00OR22725, as well as German Research Foundation (DFG) INST

JATS 1.0

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JATS 1.1d1

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</funding-group>¶
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Figure Groups

2837

Added support for “figure groups”

- <figure-group> element wraps multiple <fig> elements
- Allows separate captions for individual panels (e.g., Figures 1a, 1b, and 1c) grouped under one figure title in NLM/JATS XML

2961

Implemented a BITS export for monographs

- Allows, for the first time, the export of a full multi-chapter book from a single Word file to a single XML file
- Supports footnotes numbered from “1” in each chapter (i.e., typical Chicago-style monographs)

(Vastly!) Improved eXtyles Documentation

- User documentation is now posted to <http://www.inera.com/support/documentation>, with a separate link for each eXtyles module
- Ensures accessible, current, and targeted user guides for all eXtyles processes
- #ThankYouCaitlin

New Customers

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In addition to our well-established (and always growing) presence in STM publishing:

- eXtypes continues to be adopted by a wide variety of organizations in the standards publishing community
- eXtypes is used by a number of legal and governmental organizations, including the US Government Printing Office and many Senate and House committees
- Edifix has broadened Inera's customer base, providing a scalable solution for anyone from individual freelance editors to major publishing suppliers

eXtypes Customers

A staff of 10 serves publishers worldwide



Thank You!

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